



“MURED INTO THE NEW MILLENNIUM”

**Presentation to
MU-SPIN 9th Annual Users' Conference
September 21-26, 1999
Miami, FL**

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(MURED)**



OVERVIEW OF PRESENTATION

- **FY 2000 Funding Priorities for MI's**
- **FY 2000 Investment Opportunities**
 - IRA
 - FAR
 - PAIR
 - MASTAP
 - PACE



FY 2000 Program Priorities for MI's

- **Expand and advance NASA's scientific and technological base by building on prior year's efforts in research and academic infrastructure**
- **Increase exposure to NASA's unique mission and facilities by developing closer relationships with NASA Strategic Enterprises**
- **Increase involvement in competitive peer review and merit selection processes**
- **Contribute significantly to the Agency's strategic goals and objectives**
- **Create systemic and sustainable change through partnerships and programs that enhance research and education programs**
- **Prepare faculty and students at HBCU's for NASA-related fields and increase number of students that enter and successfully complete degrees in NASA-related fields**
- **Establish measurable program goals and objectives**
- **Improve financial management performance**



PROGRAM FOCUS

Institutional Focus:

- Historically Black Colleges and Universities (HBCU's)
- Other Minority Universities (OMU's)
 - Hispanic Serving Institutions
 - Tribal Colleges and Universities (TCU's)
- Non-Profit Organizations

Programmatic Focus on Competitive, Peer Review, and Merit Selected Awards:

- University Research Centers (URC's)
- Institutional Research Awards (IRA's)
- Individual Principal Investigators (FAR)
- Mathematics and Science Awards (MSET) (PACE & MASTAP)
- Partnership Awards (PAIR)



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Institutional Research Awards (IRA)

Program Objectives:

Establish significant, multi-disciplinary scientific, engineering, and/or commercial research capability at the HBCU or OMU that contribute substantially to the programs of one or more of the four Strategic Enterprises (Earth Science, Aero-Space Technology, Space Science, and the Human Exploration and Development of Space) described in NASA's Strategic Plan.

Improve the number and the percentage at which U.S. citizens who historically have been underrepresented in NASA-related fields are awarded advanced degrees in such fields at their own university, and/or rates at which their undergraduate degree recipients go on to earn advanced degrees in such fields at other institutions.

Gain more support from sources outside NASA Minority University Research and Education Programs (MUREP) by aggressively pursuing additional funding opportunities offered by NASA Strategic Enterprises, industry, and other funding agencies.

Awards

May be up to \$500,000 for each of four (4) years

NRA Release Date: September, 1999

Proposals Due: in approximately 90 days

WEB Address: <http://mured.alliedtech.com>



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Faculty Awards for Research (FAR)

Program Objectives:

Identify outstanding and promising engineering, physical and life science tenure-track faculty early in their academic careers as principal investigators who are cable of contributing to the Agency's research objectives and who have limited past NASA research grant experience.

Provide such faculty members with sufficient research support and exposure to the NASA peer review process to enable them to demonstrate creativity, productivity, and future promise in the transition toward achieving competitive awards in the Agency's mainstream research processes.

Support these investigators with resources to provide research experience in NASA-related fields to graduate and undergraduate students, who are U. S. citizens, thereby increasing the pool from which NASA and the aerospace industry can draw.

Awards

May be up to \$100,000 for each of three (3) years

NRA Release Date:

Proposals are in review. Selections will be made in December 1999



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**Partnership Awards for the Integration of Research into
Undergraduate Education (PAIR)**

Program Objectives:

The purpose of the PAIR Award is to enhance undergraduate faculty teaching and the student's education by integrating the NASA research investment at the HBCU or OMU into the undergraduate MSET courses and curricula specifically related to NASA Strategic Enterprise missions and human resource requirements.

Awards

It is anticipated that at least two-million dollars will be allocated for PAIR Awards. NASA expects to provide first-year funds of up to \$200,000 and up to \$300,000 for the funding of second and third year efforts. Funding for three years may not exceed \$800,000.

NRA Release Date: September 15, 1999

Proposal Due Date: December 1, 1999

WEB Address: <http://mured.alliedtech.com>



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**Minority University Mathematics, Science, and Technology Awards
for Teacher Education Program (MASTAP)**

Program Objectives:

The purpose of the MASTAP Award is to strengthen HBCU's and OMU's teacher education programs and thereby increase the number and percentage of certified mathematics, science, and technology teachers who are employed and retained in hard to staff schools. As a result of this award, the institution will graduate more certified mathematics, science and technology teachers with knowledge of national and state MSET standards. The teachers will also be encouraged to use NASA's educational resources to enhance their knowledge and to foster the effective implementation of the program's goals and objectives.

Awards

It is anticipated that at least 1.5 million dollars will be allocated for MASTAP Awards. Each award will consist of annual grant not to exceed \$200,000 per year for a maximum of 3 years.

NRA Release Date: September 15, 1999

Proposal Due Date: December 8, 1999

WEB Address: <http://mured.alliedtech.com>



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**Precollege Awards for Excellence in Mathematics, Science,
Engineering, and Technology (PACE/MSET)**

Program Objectives:

The purpose of the PACE/MSET Award is to enhance the capabilities of disadvantaged students in college preparatory courses in mathematics, science, engineering, and technology through outreach projects that are a collaborative effort between the minority university, nonprofit education organization, or school district.

Awards

It is anticipated that \$1.2 million will be allocated for PACE/MSET Awards. Each award will consist of a grant not to exceed \$100,000 per year for a maximum of 3 years.

NRA Release Date: September 15, 1999

Proposal Due Date: December 15, 1999

WEB Address: <http://mured.alliedtech.com>